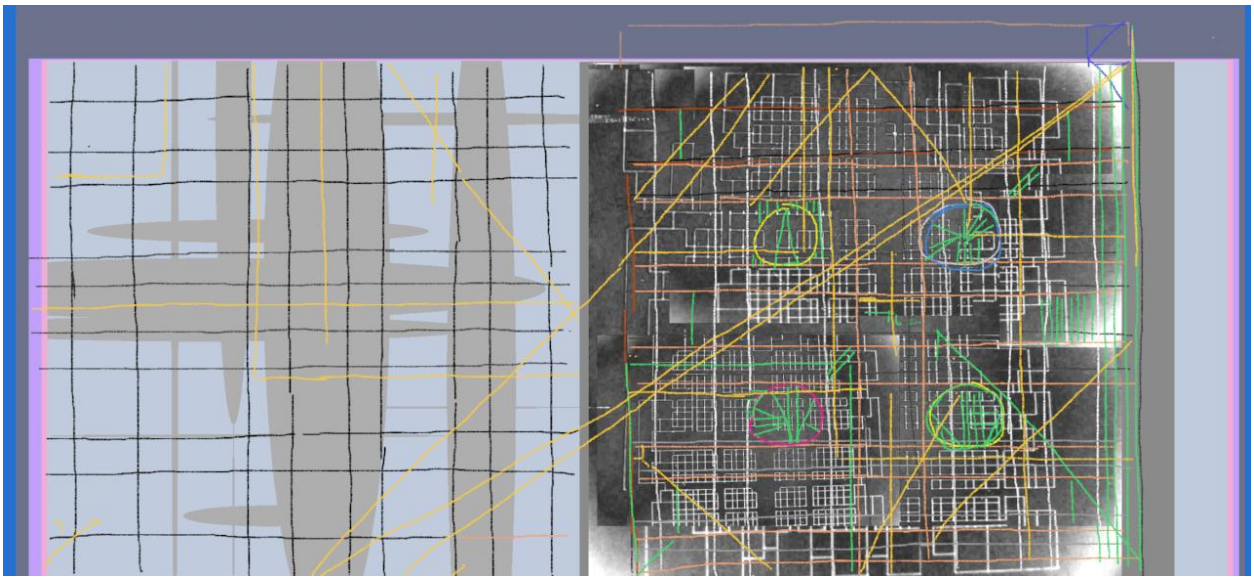
Gravity Wells and Quantum Peers of ,Time Spectra and Arts of Questioning.



Edwin S VanGorder

The drawing is on a theme of a kind of Lissajous curve technique in K dimensions rather than n for the k dimensional chess so to speak placing a quantum oscillator division over rotating fields of quantum oscillators... the space is spectrally sliced by de Morgan like mirrors branching from the disjoint Gnomon structures:

Notes for the Chess sites:

The Knight is the log spiral

The Queen’s directions are the frame of the log spiral orthogonal to diagonal

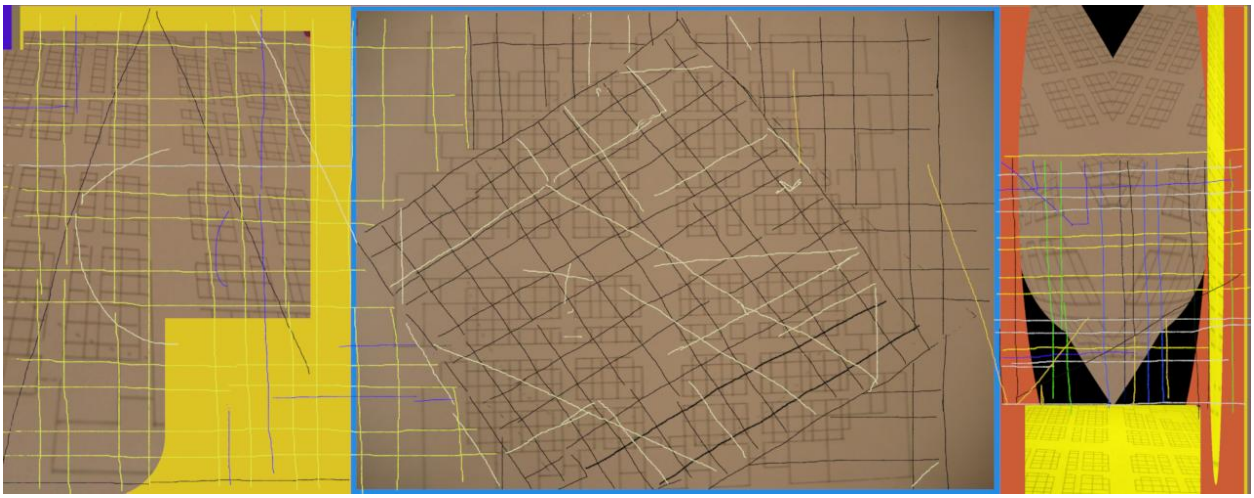
The Bishop’s constrain the diagonals to a diabolical Point

The King is the Diabolical Point

The Pawns are eigenvectors

The Rooks are Ep’s thus they “ castle”

The N dimensional Chess is the Gnomon



364g5

Acoustic Clouds and Optical Beams Wrapping Island Jetty and Quantum Graphing Spectral-Resonance...Experimental Experience:

Any center the point of a circle: (ACPC) 1

Then we shall say the experiment is an artificial eigenvalue in T-time while the input and output are eigenvalues natural in G-time

Maxim: anthropic = “language”

Minima: signal = sign up to an isomorphism... analogical -More- Exotix Spinor- String- Scape- Gestalt Clouds...

In physics a vacuum exists at a certain trap, a level which can alter as in the 10

^500 possibilities of string dimension ... if on a mundane level one considers cloud cover to island or in this case lets say a spiral jetty the relation by which cloud cover is attracted via orthographic lifting or convection currents due to land mass different rate of heating then trapping cloud cover gives the image of a kind of information bank in those readings . Abstractly, the drawing enclosed considers a jet like form projected from corners of composition as independent vectors which as it were split a beam and this can be considered and “optical” component, in an abstraction... followed by its projection over a torus like form which relates to the beam through a more

“sonic” cloud because of a log value system distorted to irregular progressions ie differentials that are independent in their contribution…like the randomness of quantum information… and as in physics a blend of optical projection and acoustic resonators can help control information the interest here is to study the knot value of the cloud of information so to speak as a topological and spectral comport to function.

Whistler’s Butterfly , Cloud on Jetty

As in rhetorical “scesis onatum” omit the verb as above The Higgs expectancy value is a vacuum which via it’s omission so to speak, births a field value or range of possible vacuums from the string scape

vacua as it were… and the echo of this is in the pseudo particles in the electromagnetic field the first event carved as the niche and which preserve the photons mass lessness in a similar mathematical (i) like exchange…the drawing continues the golden section Hermitian grid then to its Hermite polynomial potentials of recognizing a resonance in Harmonic quantum oscillator mode (as the drawing field has a .0156 quanta same as the Planck on the visual field) gaming then the complexity of visualizing higher dimensions as on the one hand resonant and damping but in a comprehensibility outside of the underlying Goedel undecidability to proof

and the physics indeterminacy per momentum and position as instead the observation upon observation which is a monad like lifting of horizons to a fuzzball or fuzzy number like structuring relative spectral sourcing to automorphic which the drawing takes up by distributing the equivalent of scattered rectangles some with a center dot and the question the visual field leaves as to the collective centers ...This is in relation a representation of the Higgs particle scattering as a time like mode with concentric returns of compressing oblongs, a kind of butterfly over the Markovian scattering...

Any Center the Point of a Circle (ACPC) 2: the bubble chamber graph of the Higgs Boson at experiment show a timi like center which has a focal center from which , to repeat, lemma oblongs arc in a butterfly motif of contracting/expanding potentials in an Archimedean image.

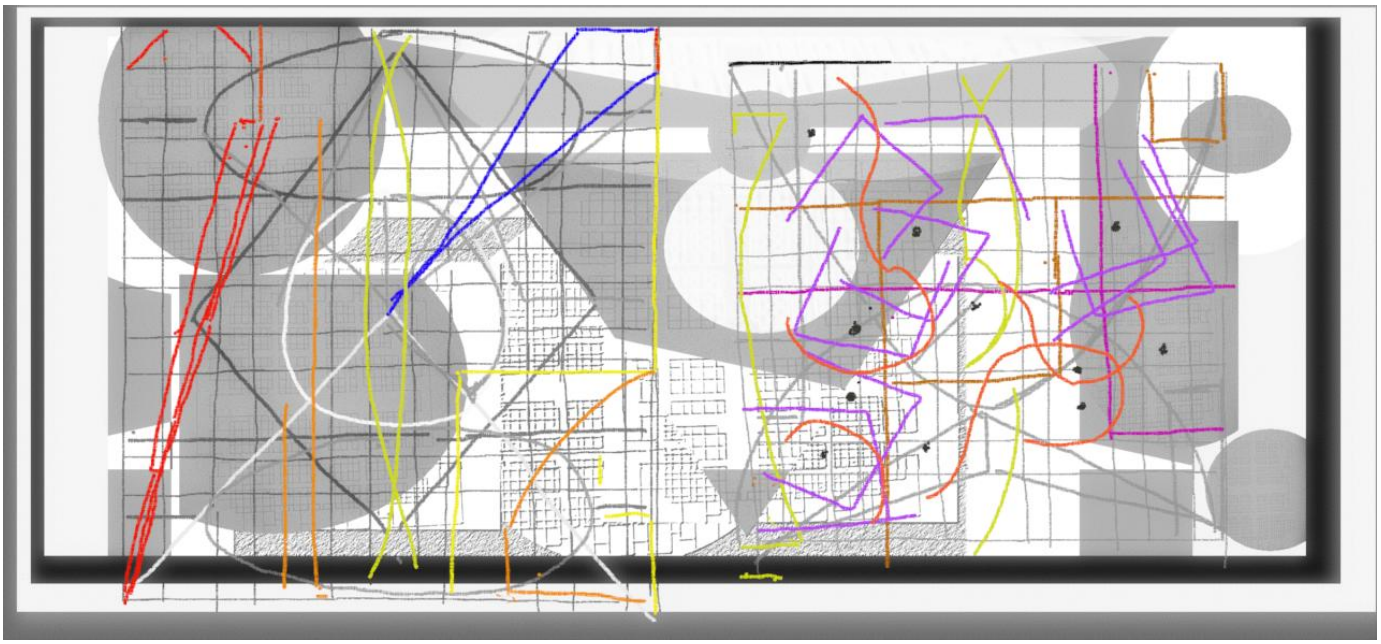
Comparing this with the image of the dots centered on centers, represented or not and on one side or another then scattered as in the thought experiment just proposed the two are dual...and may be considered mathematically as “Voronoi cells” dual to “Delauney sets: over which from a randomized set of points distances of enclosure have respective consecutive lensing, in the Veronoi

expresses as edges and in the Delauney in arcs (the latter presumably in honor of the artist and the form of the Varisoro algebras-sub algebras...)... the theme then of unique eigenvalues matched to unique eigenvectors through the endofunctor showing in the possibilities of reading the distances between point in the experiment (as in the Sturm Louisville mode) as possibly some kind of Dynkins diagram, or perhaps it could be a kind of spread out mapping of a hard stack, the gaps might be sub algebras, or the clustered dots might be independent functions, or there may be quantum like graphing of the potential of dot and non dot qualifying representations...or there

may be some system embedded linking saddleback forms, Eps, and diabolical points to a probability code...etc... so all in all we see category theory as a clue over the observation of observation which finds a mode nevertheless carries a resonance to all possibilities which in and of themselves may lurk as subalgebras thus defined away from any Bell variable as instead relating the apophenia or potential in perception to the anthropic source of a dynamic between the natural and the artificial which then have embedded complex points of their own...involute surfaces in complex time rather than the hard order disturbed by the unprovability theorem and the

Undecidable per phyics if each of these is the case of the other then one may say that’s the point…of recognizing the Daumier like hyper elasticity of the verbal orders in hypothesis artifice and the inelasticity in the decompressed entropy becoming now physics time… Ingres drawings give an example, an underlying geometry, rectilinear related to the Greek gnomon in graph extension variability locate offsets poised by a diagonal definition which to reach its enclosure also sets off an arc for which has a particular extension and marks the visuality by which in fact we see one thing because we also see another…The Daumier Judges confer over Conceptual

64h7art and its link to human laws, relative the Physics Standard model for example... (drawing for the moment in these cases or relating Social contract to physics Entropies, the compression and decompression over analytic and Categorical modes to time T-time and 4 dimensional... hypothesis to input and out put... etc etc. all the fuzzy number gauges and harder distinctions in their relative orders to that rather holographic mode linking endofunctors up to an isomorphism to that noema of phenomena in the monad... thus dual effectively related between naturalness and artifice of their own construction...



364h7

Hoffstadter's Butterfly Rabbit Hole Down and 1.1 the Quantum Natural Pavahn

The Graphene Lattice structures as resulting in Hofstadter's Butterfly brings time full circle to GEB (Goedel Escher Bach an Eternal Golden Braid as he authored presciently predicting towards AI some decades ago as though a modern day Remembrance of Time Recaptured... and an ode on the way as it were of Amplitudeology or string dimension ampleness... so

at the risk of putting more braids on Bach, invoke the cosmogenesis of our quantum butterfly's' breath which in my history has this breadth: per the golden section one notes that the square root of 11 in reciprocal plus the square root of ten in reciprocal respectively 3.168 or ten times .3168 which is the reciprocal of pi and is three times the difference of square root of five in reciprocal in a square and is the fourth of the reciprocal of the square root of the golden section whereas the square root of eleven in reciprocal is 3.3168 or three times unity plus the

reciprocal of pi and those sums added are the golden section , therefore pi is embedded in the golden section and .10 plus .11 will give 1.1 as scaled. Thus the “magic Angle... To pull this thread out a bit I first give the following preamble that the golden section grid I use comports to a quanta of .0156 which is also that of the reduced planck and can be deduced from the Planck proper as well...(a wraparound structure) and .0156 is in reciprocal 64 or an 8x8 perfect square...there fore in complex relation the grid itself being Hermitian transports that

value meaning effectively it is the ‘Unknown Hermitian possibly as sought in certain circles of Riemannian Hypothesis interests…I then related pi as embedded in the golden section to a series analyzing as bridges in Monstrous Moonshine between the physics particles and the Sporadic Finite Primes…and .0156 as the juncture of world sheets unrolled to a string “larger dimension” may well give leverage similarly to a quantum harmonic oscialtor and a harmonic oscillator mean towards making of the cobordism a lensing aspect towards

dimensions of Categorical analysis… and the monad…

Parenthetically the golden section also occurs in the Weinberg mixing angle as .312 times seven is 1.618 and the mixing angles there of the Higgs being a vacuum displacement become the rich environment of the pseudo particles now real part as mass is like a physics version of the mathematical (“i”)…repeated in principle by the photons relation to vacua and mass lessness by exciting quasi particles.. so that one may study out of the magic angle 1.1 its own permittivity of .2 degrees of

damping... for example the Pauli 01/10 comport to .0156 and also .1056 which is the difference as mentioned between twice the square root of five in square field thus it's Brioullin zone so to speak and as I mentioned .0156 measures into the degrees of the spiral .1056 is approx. 5 times .0156 (slightly off but equalizing across whole surface)...so .10 finds .0056 .1056 and .01 finds .0056 .0156 where .56 is 1.7854 and .7854 times four is Pi and the complement of the Feigenbaum in reciprocal... thus returning to studying out the magic angle 1.1 we

can continue to observe of the .2 degrees damping allowed .2 to the negative two is the square root of five parent of the golden section...while .01 to the negative three is .3168 or the reciprocal of pi which fits four times into the 1.27 value as reciprocal of .788 which is the root of the golden section and .3168 significantly is three times .1056 ...which is five times .0156... which is 64 and .64 is 1.56 where .56 is 1.7854 and .7854 times four then Pi... all of which reflects to some degree on the interesting .001 difference between two possible

values of the square root of two, .707 and .708 which give in that difference directions towards complex space and of which .708 is three times the fourth turn of the spiral from 1.618 thus in that regard the second unknown Hermitian…

Part 2 recap: towards drawing demonstration: ***//: goal*= Integrate: of Amplitudeology and Dynamic Phase Factors**

From- An initial history :

Starting from Jaccobi Identity and Hom sets

Categorical Lensing and M'alsev theory towards every center a point

embedding language from monad construct of observing observation recursive yet projective and emergent immersive… thus the point in a sense is already fifth dimensional via language

Weil Explicit theory then turns primes to eta function and a meromorphic relation to the counter resonance

Overtones then feature structure from within subalgebras and the cobordism structure of Perelman surgery and Adams suspension modes as this language construct assimilates to art and language thus the relation of artificial order to naturalness… naturalness being the domain of M’alsev in the most abstract

sense...thus not only degrees of freedom as they arrive but the flux-hold on order...of elastic borders to an aesthetic necessity of symmetry transposed to quantum randomness as realizations through density scales.

As relating embedding of pi in the golden section studying relations of Sporadics to physics particles then the emerging ratio in the golden section grid of .1056 as parallel the Plank then the idea of lensing categorically at the point of cobordism in the event of the quantum harmonic oscillatory cone and the harmonic function generally there is as well the introduction then of Markov chains or irregular introduction

into the n-boxes which becomes the potential to open Berry phase in parameter space to the disjunction to adjoint structure which carries the features of emergent structure on naturalness relating to artifice. The .0156 lensing then may take the string world sheet rolled out and lens a relation between Casimir plate like resonance and Josephson junctions as in the former like DNA and latter like Proton entanglement and on those let become a toy model of an exotic or Gabrielles horn like dimensioning as a y cleft to cones intercepting Calabi Yao from the sheet rolled, amplified and placed in the compression and

decompression entropy as an entanglement function leading to quantum category theatres from essential Verisoro amplitudes upon the unit circle engendered complex to hyper parameter spaces... originating in the growth pattern from gnomon to torus, the rolling and gluing then meeting lensing and conical relation across linked domains in the cobordism first structured in AdS/CFt and the Langlands transpose physics to mathematical symmetries...

The structural referent then relates to the idea of embedding flatbands in twisted moira structures as an extension into the categorical idea of twisted

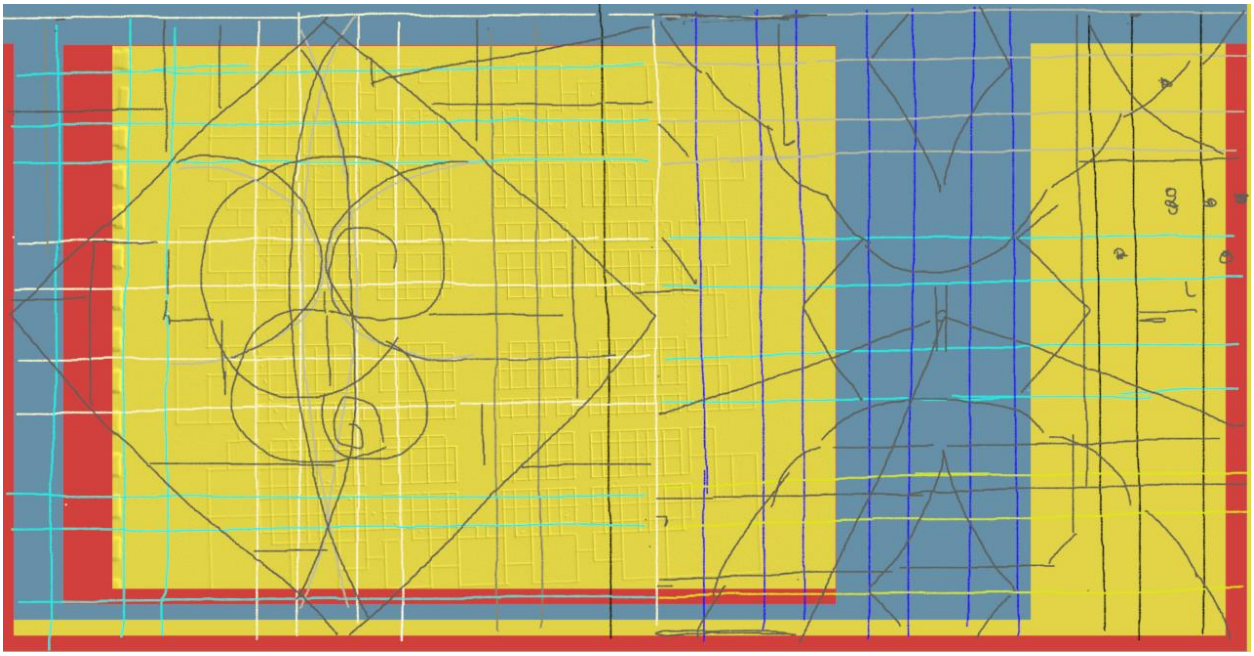
fields from mathematics where composing and decomposing elements of entropy as compressed and decompressed, ordered or partially ordered invite rotational interpretations at unit circle, conics, and lensing modes featuring higher dimensional tensions on amplitude projections.

Part 3 – The Drawing

The drawing then begins by ambiguously sorting its own field of .0156 discriminations of those centers found to harmonic intervals which becomes a cobordism to another object representation embedded in its mirror which finds that object an arc to

orthogonal tension of a Reimann conjecture like form. (Previously have created the drawing offering of the .0156 proportion linking quantum to 4d as a golden section irrational thus real thus the "unknown Hermitian operator" which would demonstrate…

the world sheet seems to have Markovian chains embedded in Berry Curvature where distances in relation to their subalgebras need some representation in the hyper to 4d cobordism… necessitating toy world markups? The drawing relates the rotation center to a Demorgan valancing over two versions of the square root of 2 as gambit…



Sliding Glass Door Introducing----→

364i6

§jets as sliding filament realms

And independent fx…

§Towards Quiver Selection

§ lateral edged cone to flat complementary triangulation carrying the information of gnomon to Cone

§ BF Theory and and ***Sterm Louiville…***

§ Structured to Quantum Harmonic Oscilator, Doppler Effect, Weil Explicit Theory, Twisted Sets to Twisted Moiree Lattice… Verisoro Algebra

§Genus over homomorphism, isomorphism, Endomorphism, auto morphism , functor, endofunctor, Monad

§Quantum Graphing

§Spectra of Triangles

§ Theatres of Bell, Russell, Turing,Slit Screen to relation of Naturallness and Artifice

§ Relation o f conics to Pascal’s Pyramid

§Introduction of Rotating Stabilizer

§ Cloud over Jetty and stochastic scattrering of centered dot cards

§Higgs Boson to physics (i) and relation to photons mass then to chronon…

§Harper’s Equation and Hoffstadter’s Butterfly

§ Unknown Hamiltonian and golden section grid

§golden section grid to pi embedded in golden section and quanta .0156 to also the Plank

§ Monstrous Moonshine analysis to pi embedded in golden section as bridge physics particles and Finite Prime Sporadic Group

§ Chern numbers to Berry, Betty and Poincare,Ricci

§Voronoi and Delauney groups

§M’altsev abstraction to Categorical Theory

§Quantum Categorical Theory

§Von Neuman Algebra and Wilson Loops, Calabi Yao,

§Spectral and Automorphic

§Witten, Langlands and AdS/CFT

§Amplitodulogy

§Exotic Spheres and exotic bulge to string vacua via casimir like flux

§Casimir Flux and DNA, Josephson Junction and entangled Protons

§Entanglement information

§ N=boxes, K,boxes,

§K-3 Algebra, Categorical Theory, unrolled word sheets to gnomon tori and larger string groups to lensing Calabi Yau

§fifth dimension of point within language...

§Fuzzy numbers to Fuzzball holographic plane...

§ Weil Critical as endomorphic to primes relative Rieman Branches and cuts

§Del/Nabla

Divergance and curl where Chern numbers defined as curl

Curl and e…

§ Triangular Matrix

§Higgs Boson lemma

§Art and Language, Conceptual Art, social contract, legality and Physics Standard Model

§Deddekind numbers as quotient sets…

§Snow Flake Model

§Eps, Diabolical points, Dirac Cones, Saddlebacks…

§AF theory/ Bf theory

In summary the relation of little o to big O relate the sorting over highly correlated order and partially open sets over the upper bound as necessarily partially Defined given the chaos regime of rapid o essentially meromorphic where vacua transpose with fields…relating immersion and submersion to embedding (and this to the embedding of pi within the golden sections) along relation of surreal mathematics to hyper real and the ultra violet swampland extr -space to AdS CFT with Wittens relating Langlands to physics and mathematical symmetries per auto morphic and spectra genesis upon morphologies and their relation to Category Theory to Analytic…

Measure Upon Measure

Tidal Forces-

Macro; Micro, and Quanta:

Across the A_F Dimensions of Vacua

§ Slim Difference from Hidden Variables in the Emergent Sharp Slide from Big O to Little Accros Geo Dirac Constraints and Subtending String Murmers :Connes to Wittens and beyond…

Dirac Might Well Ask:

§

What Happens When The Subject is no Longer Experimentable Except Through Thought and Data Analysis?

Towards Analyzing Unknown Effects

§Where this article and drawing are shall we say accordingly a Conceptual Physics as Art Museum…(thought experiment)…

A conceptual art museum for example would need to be entirely conceptual , just as the Higgs Parlays vacua level in the spirit of the mathematical (i) to make us the hypothesis builders the equivalent of the proposed museum. Therefore the resonance of string dimensions within micro across the duality of embedding and submerging make of

tidality and we the theorists the moods of subtlety within the resonance of little o to large which comport effects of which we cannot see, for example a particle zoo which is in subtler form... of unknown subjects and objects.

A_F is Connes geometric quanta theory which can be seen as dynamic to Wittens Strong/Weak take on Langlands... in this theory three variables as relating states, geometry, and differentiation modelling the structure of the Higgs as (i) like towards vacua representation to a transpose to

mass as in the Higgs Mechanism and the mirroring process of photons to pseudo particle showers… mathematical constraints on upper bounds confining the geometry successfully to a maximum of 17 particles possible…

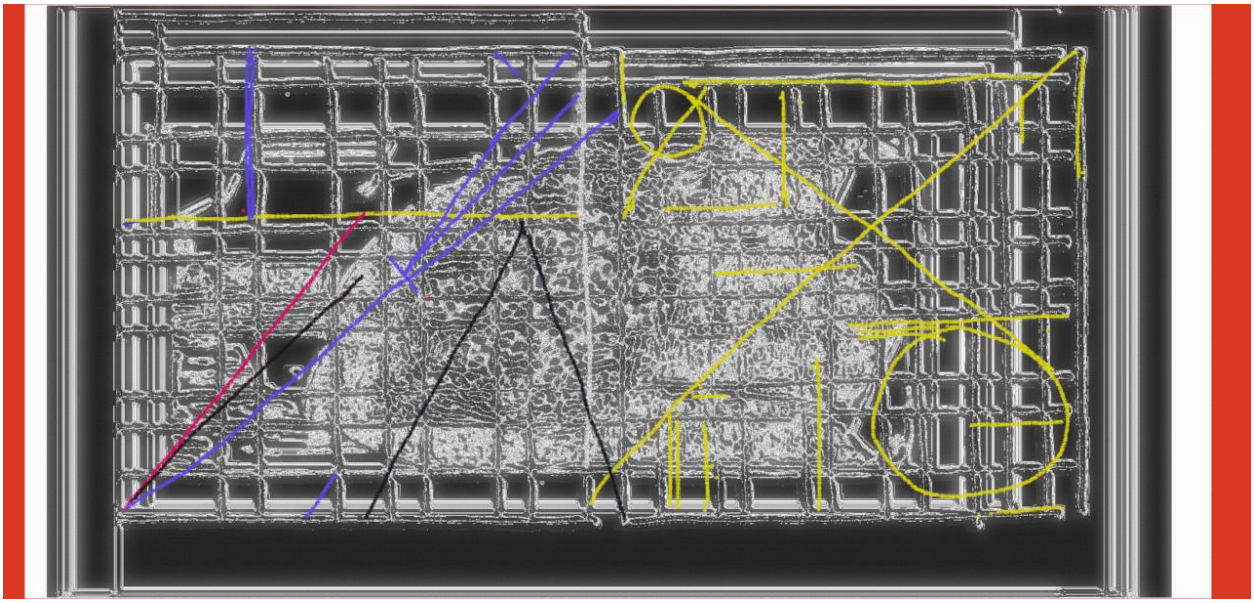
However lurking within this Big O scenario there is the accompanying scenario of little O differentiating at much higher speed and possibly to infinity as in the twisted spaces regimes of Sturm Liouiville comport to also Verisoro and M'alsev considerations along precisely those lines… essentially tidal forces along

all dimensions 4 and inviting higher via resonance of harmonic vibrations macro and micro and quanta... and a structural sorting between saddleback, EP and Diabolical Points to consider...

In general then the placing of higher constraints which activate the Standard model via modelling the Higgs displacement of vaccua to that specific degree has between the strong weak translation to string dimensions in AdS/CFT and the Swampland of intermediate possibilities in a kind of lensing there is the relation of Big O in the upper

bound and little o in the minimum and little, progressing quicker and leading to infinitesimals then brings with it the monadic comport by which category theory then relates this aspect of flying under the radar that this bending of the ultraviolet barrier brings up the general conceptual domain of those objects and potentials which are always emergent, and this is the study of the value of Surreal or Proper Categories as opposed to the Hyper Real which carry over the distinction between submersion and immersion as the aspect of embedding fields belongs

to the Surreal while Partially Ordered Sets belong to the Non Standard approach of the Hyper Real...



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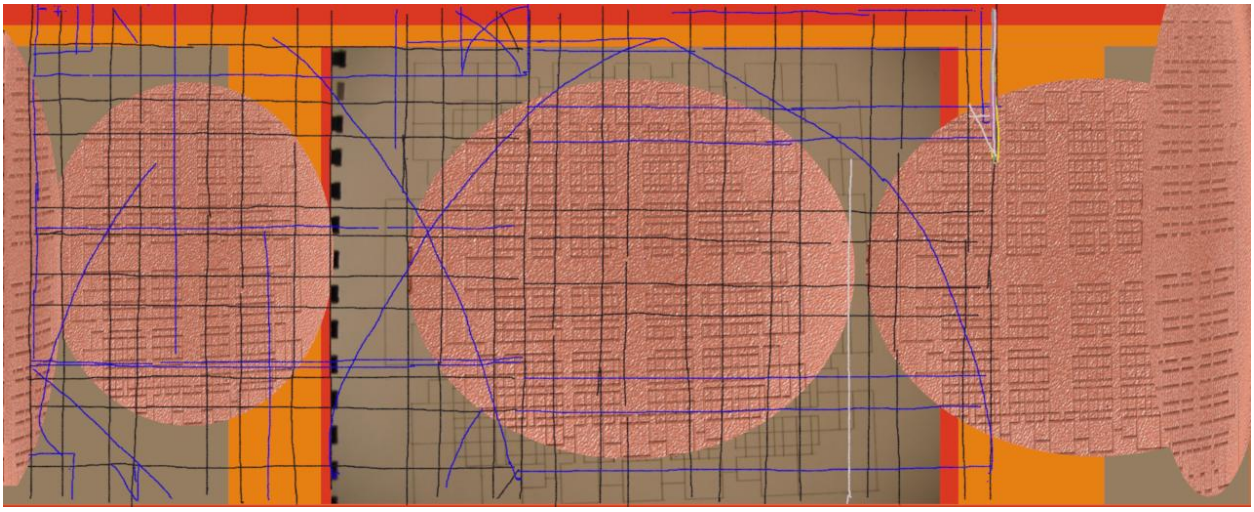

364n1

Piero’s Hat Line Continued…

For the Higgs Mexican Hat one can substitute different arc forms representing vacua…